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(54) Optical disk and optical disk device

(57) According to one embodiment, there is provided An optical disk including a first information layer (R1) having first guide grooves consisting of a first protrusive flat portion having a first width (X₁) formed close to the light incidence side and a first recessed flat portion having a second width (Y₁) having a first height difference (Z₁) from the first protrusive flat portion and formed close to the opposite side of the light incidence side, the first information layer being formed on the transparent substrate layer, a second information layer (R2) having second guide grooves consisting of a second protrusive flat portion having a third width (Y₂) formed close to the light incidence side and a second recessed flat portion having a fourth width (X₂) having a second height difference (Z₂) from the second protrusive flat portion and formed close to the opposite side of the light incidence side, the second information layer being formed on the adhesive layer, wherein a cycle P (μm) of the first and second guide grooves has a value ranging from 0.35 μm to 0.8 μm and has a relationship of Q₁ = 2Z₁/(P - X₁ - Y₁), Q₂ = 2Z₂/(P - X₂ - Y₂), 0.9 < Q₂/Q₁ < 1.5, and 1 < X₁/Y₁ < 4, 0.25 < X₂/Y₂ < 1 is satisfied.

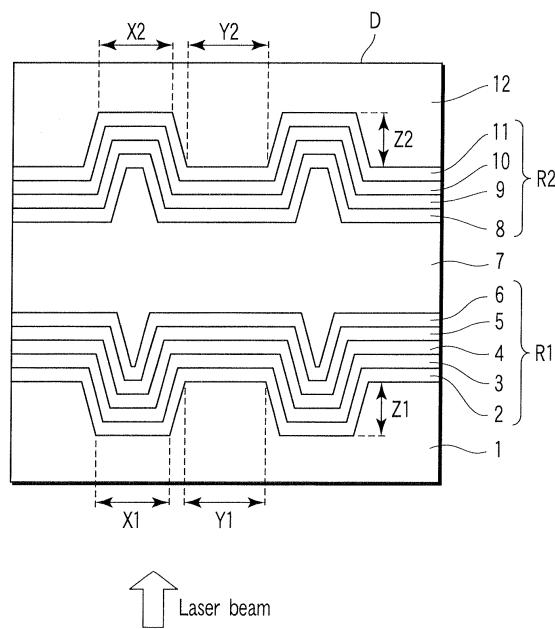


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	EP 1 626 396 A (RICOH KK [JP]) 15 February 2006 (2006-02-15) * the whole document *	1-13	INV. G11B7/24
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			TECHNICAL FIELDS SEARCHED (IPC)
			G11B
<p>The present search report has been drawn up for all claims</p> <p>2</p>			
Place of search	Date of completion of the search	Examiner	
Munich	6 October 2008	Poth, Hartwig	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 07 10 2392

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The members are as contained in the European Patent Office EDP file on
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06-10-2008

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